

NOVEMBER 25, 2015

STATEMENT ON A NONPROPRIETARY NAME ADOPTED BY THE USAN COUNCIL

USAN (CD-153)	SOMATROGON
PRONUNCIATION	soe ma' troe gon
THERAPEUTIC CLAIM	Replacement of endogenous growth hormone in adults; treatment of children with growth failure due to growth hormone deficiency

CHEMICAL NAMES

- 118-145-Gonadotropin, chorionic (human β -subunit) fusion protein with somatotropin (human) fusion protein with 118-145-chorionic gonadotropin (human β -subunit) fusion protein with 118-145-chorionic gonadotropin (human β -subunit)
- human choriogonadotropin subunit beta (CG-beta)-(118-145)-peptide (1-28) fusion protein with human somatotropin (growth hormone, GH) (29-219) fusion protein with bis[human choriogonadotropin subunit beta (CG-beta)-(118-145)-peptide] (220-275)

STRUCTURAL FORMULA

Residues sequence

SSSSKAPPPS	LPSPSRLPGP	SDTPILPQFP	TIPLSRLFDN	AMLRAHRLHQ	50
LAFDTYQEF	EAYIPKEQKY	SFLQNPQTS	CFSES IPTS	NREETQQKSN	100
LELLRISLLL	IQSWLEPVQF	LRSVFANSLV	YGASDSNVYD	LLKDLEEGIQ	150
TLMGRLEDGS	PRTGQIFKQT	YSKFDTNSHN	DDALLKNYGL	LYCFRKDMDK	200
VETFLRIVQC	RSVEGSCGFS	SSSKAPPPSL	PSPSRLPGPS	DTPILPQSSS	250
SKAPPPSLPS	PSRLPGPSDT	PILPQ			275

Disulfide bridges location / Position des ponts disulfure / Posiciones de los puentes disulfuro

81-193 210-217

Potential glycosylation sites

Ser-1*	Ser-2*	Ser-3*	Ser-4*	Ser-10	Ser-13	Ser-15	Ser-21
Ser-220*	Ser-221*	Ser-222*	Ser-223*	Ser-229	Ser-232	Ser-234	Ser-240
Ser-248*	Ser-249*	Ser-250*	Ser-251*	Ser-257	Ser-260	Ser-262	Ser-268

* Out of any of the regions having four serines in tandem, two of these serines per region can be glycosylated.

MOLECULAR FORMULA $C_{1359}H_{2129}N_{361}O_{420}S_7$ (peptide)

MOLECULAR WEIGHT 30.47 kDa (peptide)

TRADEMARK None as yet

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CODE DESIGNATIONS MOD-4023

SOMATROGON

Page 2

N15

132

CAS REGISTRY NUMBER 1663481-09-1

UNII 6D848RA61B

WHO NUMBER 10402

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